

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S47	101317	fuel cell	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/01/28 15:52
S48	7371	S47 and catalyst layer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/01/28 15:53
S49	487	S48 and (catalyst with (mica or glass or alumina or quartz or silica))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/01/28 15:53
S50	319	S49 and diameter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/01/28 15:54
S51	123	S50 and (phosphynol or phosphinyl or sulfonyl or sulfinic or sulfonic or carboxyl)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/01/28 15:55
S54	116955	catalyst with (silica or mica or alumina or ceramic or glass or quartz)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/01/29 13:50
S56	2977	S54 and fuel cell	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/01/29 13:50
S57	202	S56 and (bond\$3 with (silica or alumina or quartz or ceramic or mica or glass))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/01/29 13:51
S58	172	S54 and 429/40.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/01/29 13:52
S59	31895	fuel cell	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/01/30 11:13

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S61	5	S59 and ((\$9silane with (silica or micaa or glass or alumina)) same sulfonat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/01/30 08:49
S62	1	S59 and ((\$9silane same (catalyst with (silica or micaa or glass or alumina))) same sulfonat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/01/30 08:50
S63	3	S59 and ((\$9silane same (catalyst with (silica or micaa or glass or alumina))) and sulfonat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/01/30 08:50
S64	2027	S59 and (catalyst with (alumina or silica or quartz or mica or glass))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/01/30 08:51
S65	35	S64 and ((alumina or silica or mica or quartz or glass) with \$9silane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/01/30 08:54
S66	13	S65 and (sulfonat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/01/30 08:54
S68	46	S64 and ((alumina or silica or mica or quartz or glass) same \$9silane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/01/30 08:54
S69	14	S68 and (sulfonat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/01/30 08:55
S71	241	S59 and (\$9silane same (alumina or silica or mica or quartz or glass))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/01/30 09:26
S72	67	S71 and (sulfonat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/01/30 09:12

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S74	2027	S59 and (Catalyst with (alumina or silica or mica or quartz or glass))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/01/30 09:12
S75	35	S74 and \$9silane and sulfonat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/01/30 09:20
S76	6	S74 and (\$9silane same sulfonat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/01/30 09:16
S77	21	S59 and (alumina with silane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/01/30 09:23
S78	47	S59 and (catalyst with (alumina or silica or mica or quartz or glass)) and (silane same (alumina or silica or mica or quartz or glass))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/01/30 09:27
S80	39731	fuel cell and electrode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/01/30 10:26
S81	1245	S80 and (catalyst with (alumina or silica or mica or quartz or glass))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/01/30 11:54
S83	3	S81 and (\$9silane and sulfonation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/01/30 10:28
S84	958	S80 and ((pt or platinum) with (alumina or silica or mica or quartz or glass))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/01/30 10:30
S85	1	S84 and (\$9silane same sulfonation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/01/30 10:31

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S86	4	S84 and (\$9silane and sulfonation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/01/30 10:32
S87	859	429/27.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/01/30 10:36
S88	171	S87 and (mica or silica or alumina or glass or quartz)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/01/30 10:36
S89	6	S88 and silane	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/01/30 10:39
S90	64	S84 and silane	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/01/30 10:39
S91	22	S84 and ((mica or quartz or silica or glass or alumina) with silane)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/01/30 10:56
S92	1638	S80 and ((catalyst or pt or platinum) with (silica or mica or alumina or quartz or glass))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/01/30 11:14
S93	35	S92 and (\$9silane with (alumina or silica or mica or glass or quartz))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/01/30 11:15
S94	39731	fuel cell and electrode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/01/30 12:22
S95	1886	S94 and ((electrode or anode or cathode) with (alumina or silica or mica or quartz or glass))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/01/30 12:22
S97	479	S95 and functional\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/01/30 11:56
S98	20	S97 and ((mica or silica or alumina or glass or quartz) with functional\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/01/30 12:22

## EAST Search History

S99	48936	(fuel cell) and (anode or cathode or electrode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/01/30 12:22
S10 0	1971	S99 and ((electrode or anode or cathode) with (alumina or silica or mica or quartz or glass))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/01/30 12:22
S10 1	21	S100 and ((mica or silica or alumina or glass or quartz) with functional\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/01/30 12:35
S10 2	492	S100 and functional\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/01/30 12:23
S10 3	86	S100 and ((mica or silica or alumina or glass or quartz) same functional\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/01/30 14:55